

Amendments to the Claims

This listing of claims will replace all prior listings of claims in the application.

Listing of Claims

1.-4. (Canceled)

5. (New) A method of treating oils and fats to form a product oil suitable for use as a fuel, and method comprising the steps of:

providing an oil and/or fat;
introducing the oil and/or fat into a treatment vessel;
adding moisture to the oil and/or fat and conducting a heat treatment of the oil and/or fat at a pressure less than 10 atmospheres to obtain a pre-hydrolyzed oil and/or fat; and
carrying out an ozone treatment and a light irradiation treatment on the pre-hydrolyzed oil and/or fat and forming the product oil.

6. (New) The method of claim 5, wherein the ozone treatment is carried out in an emulsified state by discharging ozone bubbles having a particle size of 0.5-1.0 μm into the pre-hydrolyzed oil and/or fat.

7. (New) The method of claim 5, wherein the oil and/or fat is a waste oil or fat or a discharged oil or fat.

8. (New) The method of claim 5, wherein the at least one of an oil and a fat is at least one member selected from the group consisting of an animal oil, an animal fat, a vegetable oil and a residue of a vegetable oil.

9. (New) The method of claim 8, wherein the animal oil is bovine bone oil, pig oil, pig bone oil, sheep oil, goat oil or horse oil.

10. (New) The method of claim 8, wherein the animal fat is tallow.

11. (New) The method of claim 8, wherein the vegetable oil is palm oil or coconut oil.

12. (New) The method of claim 5, wherein the pre-hydrolyzed oil and/or fat is subjected to the ozone treatment and then to the light irradiation treatment.

13. (New) The method of claim 5, wherein the pre-hydrolyzed oil and/or fat is subjected to the light irradiation treatment and then to the ozone treatment.

14. (New) The method of claim 5, wherein the light irradiation treatment combines ultraviolet light, visible light and infrared light.